

- NOTES:
1. PROPOSED SIGNAL MUST BE INSTALLED PRIOR TO WIDENING.
 2. THE CONTRACTOR SHALL VERIFY ALL PROPOSED POLES AND CABINET LOCATIONS PRIOR TO INSTALLATION.
 3. DETECTORS AND CONDUITS SHALL BE INSTALLED PRIOR TO THE PAVEMENT MARKINGS.
 4. UTILITIES SHOWN ARE SCHEMATIC ONLY AND MAY NOT REPRESENT THE LOCATION OF ALL UTILITIES PRESENT. THE CONTRACTOR WILL BE RESPONSIBLE FOR VERIFYING EXACT LOCATIONS OF ALL UTILITIES. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO ALERT THE SHA PROJECT ENGINEER IMMEDIATELY IF HE/SHE PERCEIVES THAT A CONFLICT MAY EXIST.
 5. ALL SIGNAL HEADS SHALL BE BLACK FACED.
 6. EXISTING HANDHOLES WITHIN THE ROADWAY WIDENING SHALL BE REMOVED AS PART OF THE EXCAVATION. EXISTING WIRING SHALL BE PULLED BACK TO THE LOWES LANE INTERSECTION PRIOR TO HANDHOLE REMOVAL.
 7. ALL SIGNAL CABINET WORK SHALL BE PERFORMED BY SHA SIGNAL SHOP.
 8. VIDEO CAMERA LOCATION / ALIGNING SHALL BE COORDINATED WITH SHA.
 9. EXISTING SIGNAL EQUIPMENT EXCEPT THE CONTROLLER UNIT SHALL BECOME THE PROPERTY OF THE SIGNAL CONTRACTOR UPON THE COMPLETION OF THE SIGNAL CONSTRUCTION.
 10. MAXIMUM WIDTH OF HANDHOLE SPACING SHALL BE 190 FT.
 11. ALL TRAFFIC SIGNAL FOUNDATIONS SHALL BE INSTALLED AT THE FINAL SIDEWALK OR CURB GRADE FOR CLOSED SECTIONS. HIGHEST ROADWAY PROFILES GRADE FOR OPEN SECTIONS. TO MEET CLEARANCES AS SPECIFIED IN MD 816.03, MD 818.01, MD 818.02. THE CONTRACTOR SHALL VERIFY ULTIMATE GRADES PRIOR TO THE INSTALLATION OF THE SIGNAL EQUIPMENT.

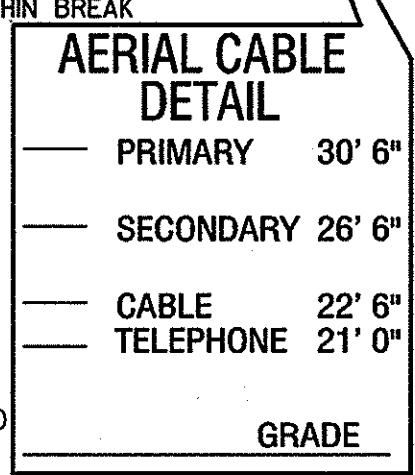
CONSTRUCTION DETAILS

1. INSTALL NEMA SIZE 6 BASE MOUNTED CABINET AND CONTROLLER WITH ALL NECESSARY EQUIPMENT. (NOTE: 2-4 INCH SCHEDULE 80, 90 DEGREE PVC CONDUIT BEND).
2. INSTALL SPECIAL 16.5" STEEL POLE WITH 70 FOOT MAST ARM, WITH A 15" T, SIGNAL HEADS, SIGNS, APS HEAD, PUSH BUTTON AND SIGN (SIGN TO READ "PUSH BUTTON TO CROSS URBANA PIKE") (NOTE: 1-3 INCH SCHEDULE 80, 90 DEGREE PVC CONDUIT BEND).
3. INSTALL SPECIAL 16.5" STEEL POLE WITH 60 FOOT MAST ARM, WITH A 15" T, SIGNAL HEADS, SIGNS, APS HEAD, PUSH BUTTON AND SIGN (SIGN TO READ "PUSH BUTTON TO CROSS HOLIDAY DRIVE") (NOTE: 1-3 INCH SCHEDULE 80, 90 DEGREE PVC CONDUIT BEND).
4. INSTALL HANDHOLE.
5. INSTALL 1 INCH LIQUID-TIGHT, FLEXIBLE NON-METALLIC CONDUIT SLEEVE FOR DETECTOR LEAD-IN.
6. INSTALL 3 INCH PVC SCHEDULE 80 ELECTRICAL CONDUIT (TRENCHED).
7. INSTALL 3 INCH PVC SCHEDULE 80 ELECTRICAL CONDUIT (BORED).
8. INSTALL 4 INCH PVC SCHEDULE 80 ELECTRICAL CONDUIT (BORED).
9. INSTALL 4 INCH PVC SCHEDULE 80 ELECTRICAL CONDUIT (TRENCHED).
10. INSTALL MICROLOOP PROBE SET (NON-INVASIVE).
11. INSTALL 6 X 30 QUADRUPOLE LOOP DETECTOR ENCASED IN 1/2 INCH FLEXIBLE TUBING (3-6-3 TURNS).
12. USE EXISTING HANDHOLE.
13. USE EXISTING CONDUIT.
14. EXISTING HANDHOLE TO BE ABANDONED.

UTILITY LEGEND

- A — A — AERIAL ELECTRIC CABLES
- GAS — GAS — GAS MAIN
- S — S — SEWER MAIN
- UG ELEC — UNDERGROUND ELECTRIC CABLES
- WATER — WATER — WATER MAIN

1. EXISTING CONDUIT TO BE ABANDONED.
2. EXISTING LOOP TO BE ABANDONED.
3. REMOVE EXISTING SIGNAL POLE, MAST ARM, SIGNAL HEADS, OVERHEAD SIGNS, AND ALL OTHER EQUIPMENT.
4. REPLACE EXISTING SIGNAL HEAD WITH PROPOSED HEAD.
5. REMOVE EXISTING SIGNAL CABINET, CONTROLLER, AND ALL EQUIPMENT.
6. INSTALL ONE 4 INCH PVC SCHEDULE 80 CONDUIT (TRENCHED) AND ONE 4 INCH PVC SCHEDULE 80 CONDUIT (TRENCHED) FOR POWER FEED & VERIZON PHONE DROP. (TO BE STUBBED AT UTILITY POLE)
7. INSTALL 24 INCH STOP BAR (HEAT APPLIED THERMOPLASTIC)
8. INSTALL 12 INCH CROSSWALK (HEAT APPLIED THERMOPLASTIC)
9. INSTALL 10 FOOT PEDESTAL MOUNT POLE, APS PUSH BUTTON & SIGN (SIGN TO BE READ "PUSH BUTTON TO CROSS URBANA PIKE"), (NOTE: 1-3 INCH SCHEDULE 80, 90 DEGREE PVC CONDUIT BEND).
10. REMOVE EXISTING OVERHEAD SIGN (R10-12) AND INSTALL PROPOSED SIGN (R3-5(L)).
11. EXISTING SIGNAL HEAD TO BE REMOVED
12. INSTALL 10 FOOT PEDESTAL MOUNT POLE, APS PUSH BUTTON & SIGN (SIGN TO READ "PUSH BUTTON TO CROSS HOLIDAY DRIVE"), (NOTE: 1-3 INCH SCHEDULE 80, 90 DEGREE PVC CONDUIT BEND).
13. EXISTING SIGNAL POLE, REMOVE EXISTING SIGNAL HEADS, INSTAL SIGNAL HEADS, CAMERA AND SIGNS.



REVISIONS	APPROVALS	REVISIONS
(B) GEOMETRIC IMPROVEMENT FR4335176 DKS	ASST. TRAFFIC ENGINEERING DESIGN DIVISION ASST. DISTRICT ENGINEER, TRAFFIC CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION DIRECTOR, TRAFFIC & SAFETY	(3) REDLINE #3, 1/1/06 W. Wood 1/5/06

MARYLAND DOT - STATE HIGHWAY ADMINISTRATION
Office of Traffic & Safety
TRAFFIC ENGINEERING DESIGN DIVISION
TRAFFIC SIGNALIZATION PLAN
MD 355 AND HOLIDAY DRIVE/
GENSTAR DRIVE

DRAWN BY: T. ZAYDEL	F.A.P. NO. BWM30M83	SEE TITLE SHEET	TS NO. 3737 B	SHEET NO. 37A OF 52
CHECKED BY: K. SCHMID	S.H.A. NO. FREDERICK		T.I.M.S. NO. F953	
SCALE: 1"=20'	COUNTY: LOG MILE: 10035509.30			
DATE: 8-27-97				

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